CLAIMS

What is claimed is:

1. A method of enhancing an edge transient contained in a video signal, the method comprising:

identifying the edge transient in the video signal;

asymmetrically enhancing the edge transient of the video signal.

2. The method according to claim 1, wherein the identifying step includes detecting an edge center of the edge transient.

3. The method according to claim 1, wherein the identifying step includes selecting a side of the edge transient, relative to an edge center thereof, to enhance.

4. The method according to claim 1, wherein the asymmetrically enhancing step includes adding an edge change signal to the video signal.

5. The method according to claim 1, wherein the identifying step includes:

detecting an edge center of the edge transient; and

selecting a side of the edge transient, relative to the edge center thereof, to enhance.

6. An apparatus for enhancing an edge transient contained in a video signal, the apparatus

comprising:

means for identifying the edge transient in the video signal;

means for asymmetrically enhancing the edge transient of the video signal.

7. The apparatus according to claim 6, wherein the identifying means includes means for detecting an edge center of the edge transient.

8. The apparatus according to claim 6, wherein the identifying means includes means for selecting a side of the edge transient, relative to an edge center thereof, to enhance.

9. The apparatus according to claim 6, wherein the asymmetrically enhancing means includes means for adding an edge change signal to the video signal.

10. The apparatus according to claim 6, wherein the identifying means includes:

means for detecting an edge center of the edge transient; and

means for selecting a side of the edge transient, relative to the edge center thereof, to enhance.

11. A video signal having an enhanced edge transient produced by the steps comprising:

identifying the edge transient in the video signal;

asymmetrically enhancing the edge transient of the video signal.

12. The video signal according to claim 11, wherein the identifying step includes

detecting an edge center of the edge transient.

13. The video signal according to claim 11, wherein the identifying step includes selecting a side of the edge transient, relative to an edge center thereof, to enhance.

14. The video signal according to claim 11, wherein the asymmetrically enhancing step includes adding an edge change signal to the video signal.

15. The video signal according to claim 11, wherein the identifying step includes

detecting an edge center of the edge transient; and

selecting a side of the edge transient, relative to the edge center thereof, to enhance.

16. A video signal comprising:

an edge transient;

an edge center defined by the edge transient;

a first edge side portion; and

a second edge side portion;

wherein one of the first and second edge side portions is steepened and the other one of the first and second side edge portions is not steepened.

17. A video signal comprising:

an edge transient;

an edge center defined by the edge transient;

a first edge side portion; and

a second edge side portion;

wherein one of the first and second edge side portions is steepened and the other one of the first and second side edge portions is steepened differently than the one of the first and second edge side portions.

18. A video signal comprising:

an edge transient;

an edge center defined by the edge transient;

a first edge side portion; and

a second edge side portion;

wherein the first and second edge side portions are asymmetrically steepened.

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